

What is claimed is:

1. A stencil printer for perforating a thermosensitive stencil with heating means to thereby make a master, said stencil printer comprising:

stencil distinguishing means for identifying a kind of the stencil; and

adjusting means for selecting, among master making conditions experimentally determined beforehand, a master making condition matching with information output from said stencil distinguishing means.

2. The stencil printer as claimed in claim 1, wherein said adjusting means adjusts, based on said information, a speed at which the stencil is conveyed.

3. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a rotation speed of said platen roller in accordance with said information.

4. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a master making speed in accordance with said information.

5. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting means adjusts the platen pressure in accordance with said information.

6. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting means adjusts the front tension in accordance with said information.

7. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting

a back tension of said stencil, and

said adjusting means adjusts the back tension in accordance with said information.

8. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head, and

said adjusting means adjusts energy to be applied to said thermal head in accordance with said information.

9. The stencil printer as claimed in claim 1, wherein said heating means comprises a thermal head,

said stencil printer further comprises temperature sensing means for sensing a temperature of said thermal head, and

said adjusting means adjusts energy to be applied to said thermal head in accordance with said information and information output from said temperature sensing means.

10. The stencil printer as claimed in claim 1, wherein said stencil distinguishing means comprises:

a label provided on the stencil; and

sensing means for reading a content of said label.

11. The stencil printer as claimed in claim 1, wherein said stencil distinguishing means comprises:

transmitting means provided on the stencil; and

receiving means for receiving a content transmitted from said transmitting means.

12. The stencil printer as claimed in claim 1, wherein said stencil distinguishing means comprises:

means provided on the stencil to be electrically or magnetically sensed; and

sensing means for electrically or magnetically sensing a content of said means to be sensed.

13. A stencil printer for perforating a thermosensitive stencil with heating means to thereby make a master, said stencil printer comprising:

stencil distinguishing means for identifying a kind of the stencil;

environmental condition sensing means for sensing an environmental condition; and

adjusting means for selecting, among master making conditions experimentally determined beforehand, a master making condition matching with first information output from said stencil distinguishing means and second information output from said environmental condition sensing means.

14. The stencil printer as claimed in claim 13, wherein said adjusting means controls, based on said first information and said second information, a speed at which the stencil is conveyed.

15. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a rotation speed of said platen roller in accordance with said first information and said second information.

16. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a master making speed in accordance with said first information and said second information.

17. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil,

a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting means adjusts the platen pressure in accordance with said first information and said second information.

18. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting means adjusts the front tension in accordance with said first information and said second information.

19. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting means adjusts the back tension in accordance with said first information and said second information.

20. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head, and

said adjusting means adjusts energy to be applied to said thermal head in accordance with said first information and said second information.

21. The stencil printer as claimed in claim 13, wherein said heating means comprises a thermal head,

said stencil printer further comprises temperature sensing means for sensing a temperature of said thermal head, and

said adjusting means adjusts energy to be applied to said thermal head in accordance with said first information, said second information and third information output from said temperature sensing means.

22. The stencil printer as claimed in claim 13, wherein said stencil distinguishing means comprises:

a label provided on the stencil; and  
sensing means for reading a content of said label.

23. The stencil printer as claimed in claim 13, wherein said stencil distinguishing means comprises:

transmitting means provided on the stencil; and  
receiving means for receiving a content transmitted from said transmitting means.

24. The stencil printer as claimed in claim 13, wherein said stencil distinguishing means comprises:

means provided on the stencil to be electrically or magnetically sensed; and

sensing means for electrically or magnetically sensing a content of said means to be sensed.

25. A stencil printer for perforating a thermosensitive stencil with heating means to thereby make a master, said stencil printer comprising:

stencil setting means for allowing an operator of said stencil printer to set a kind of the stencil; and

adjusting means for selecting, among master making conditions experimentally determined beforehand, a master making condition matching with information output from said stencil setting means.

26. The stencil printer as claimed in claim 25, wherein said adjusting means adjusts, based on said information, a speed at which the stencil is conveyed.

27. The stencil printer as claimed in claim 25, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a rotation speed of said platen roller in accordance with said information.

28. The stencil printer as claimed in claim 25, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a master making speed in accordance with said information.

29. The stencil printer as claimed in claim 25, wherein said heating means comprises a thermal head,



said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting means adjusts the platen pressure in accordance with said information.

30. The stencil printer as claimed in claim 25, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting means adjusts the front tension in accordance with said information.

31. The stencil printer as claimed in claim 25, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting means adjusts the back tension in accordance with said information.

32. The stencil printer as claimed in claim 25,

wherein said heating means comprises a thermal head, and  
said adjusting means adjusts energy to be applied  
to said thermal head in accordance with said information.

33. The stencil printer as claimed in claim 25,  
wherein said heating means comprises a thermal head,

said stencil printer further comprises temperature  
sensing means for sensing a temperature of said thermal  
head, and

said adjusting means adjusts energy to be applied  
to said thermal head in accordance with said information  
and information output from said temperature sensing  
means.

34. The stencil printer as claimed in claim 25,  
wherein said stencil setting means comprises:

an LCD (Liquid Crystal Display) positioned on an  
operation panel, which is mounted on a printer body, for  
displaying the kind of the stencil; and

keys arranged on said operation panel for allowing  
the operator to set the kind of the stencil.

35. The stencil printer as claimed in claim 25,  
wherein said stencil setting means comprises a host  
connected to said stencil printer.

36. A stencil printer for perforating a  
thermosensitive stencil with heating means to thereby make  
a master, said stencil printer comprising:

stencil setting means for allowing an operator of said stencil printer to set a kind of the stencil;

environmental condition sensing means for sensing an environmental condition; and

adjusting means for selecting, among master making conditions experimentally determined beforehand, a master making condition matching with first information output from said stencil setting means and second information output from said environmental condition sensing means.

37. The stencil printer as claimed in claim 36, wherein said adjusting means adjusts, based on said first information and said second information, a speed at which the stencil is conveyed.

38. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting means adjusts a rotation speed of said platen roller in accordance with said first information and said second information.

39. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil,

and

said adjusting means adjusts a master making speed in accordance with said first information and said second information.

40. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting means adjusts the platen pressure in accordance with said first information and said second information.

41. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting means adjusts the front tension in accordance with said first information and said second information.

42. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting means adjusts the back tension in accordance with said first information and said second information.

43. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head, and

said adjusting means adjusts energy to be applied to said thermal head in accordance with said first information and said second information.

44. The stencil printer as claimed in claim 36, wherein said heating means comprises a thermal head,

said stencil printer further comprises temperature sensing means for sensing a temperature of said thermal head, and

said adjusting means adjusts energy to be applied to said thermal head in accordance with said first information, said second information and third information output from said temperature sensing means.

45. The stencil printer as claimed in claim 36, wherein said stencil setting means comprises:

an LCD positioned on an operation panel, which is

mounted on a printer body, for displaying the kind of the stencil; and

keys arranged on said operation panel for allowing the operator to set the kind of the stencil.

46. The stencil printer as claimed in claim 36, wherein said stencil setting means comprises a host connected to said stencil printer.

47. A stencil printer for perforating a thermosensitive stencil with heating means to thereby make a master, said stencil printer comprising:

at least one of stencil distinguishing means for distinguishing a kind of the stencil and stencil setting means for allowing an operator of said stencil printer to set the kind of said stencil; and

adjusting means for selecting, among master making conditions experimentally determined beforehand, a master making condition matching with at least one of first information output from said stencil distinguishing means and second information output from said stencil setting.

48. A stencil printer for perforating a thermosensitive stencil with heating means to thereby make a master, said stencil printer comprising:

at least one of stencil distinguishing means for distinguishing a kind of the stencil and stencil setting means for allowing an operator of said stencil printer to

set the kind of said stencil;

environmental condition sensing means for sensing an environmental condition; and

adjusting means for selecting, among master making conditions experimentally determined beforehand, a master making condition matching with at least one of information output from said stencil distinguishing means, information output from said stencil setting means and information output from said environmental condition sensing means.

49. A stencil printer for perforating a thermosensitive stencil with a heating device to thereby make a master, said stencil printer comprising:

a stencil distinguishing device configured to identify a kind of the stencil; and

an adjusting device configured to select, among master making conditions experimentally determined beforehand, a master making condition matching with information output from said stencil distinguishing device.

50. The stencil printer as claimed in claim 49, wherein said adjusting device adjusts, based on said information, a speed at which the stencil is conveyed.

51. The stencil printer as claimed in claim 49, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting device adjusts a rotation speed of said platen roller in accordance with said information.

52. The stencil printer as claimed in claim 49, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting device adjusts a master making speed in accordance with said information.

53. The stencil printer as claimed in claim 49, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil,

a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting device adjusts the platen pressure in accordance with said information.

54. The stencil printer as claimed in claim 49, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen



roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting device adjusts the front tension in accordance with said information.

55. The stencil printer as claimed in claim 49, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting device adjusts the back tension in accordance with said information.

56. The stencil printer as claimed in claim 49, wherein said heating device comprises a thermal head, and

said adjusting device adjusts energy to be applied to said thermal head in accordance with said information.

57. The stencil printer as claimed in claim 49, wherein said heading device comprises a thermal head,

said stencil printer further comprises a temperature sensor responsive to a temperature of said thermal head, and

said adjusting device adjusts energy to be applied to said thermal head in accordance with said information and information output from said temperature sensor.

58. The stencil printer as claimed in claim 49, wherein said stencil distinguishing device comprises:

a label provided on the stencil; and

a sensor configured to read a content of said label.

59. The stencil printer as claimed in claim 49, wherein said stencil distinguishing device comprises:

a transmitter provided on the stencil; and

a receiver configured to receive a content transmitted from said transmitter.

60. The stencil printer as claimed in claim 49, wherein said stencil distinguishing device comprises:

a piece provided on the stencil to be electrically or magnetically sensed; and

a sensor configured to electrically or magnetically sense a content of said piece to be sensed.

61. A stencil printer for perforating a thermosensitive stencil with a heating device to thereby make a master, said stencil printer comprising:

a stencil distinguishing device configured to identify a kind of the stencil;

an environmental condition sensor responsive to an environmental condition; and

an adjusting device configured to select, among master making conditions experimentally determined beforehand, a master making condition matching with first

information output from said stencil distinguishing device and second information output from said environmental condition sensor.

62. The stencil printer as claimed in claim 61, wherein said adjusting device controls, based on said first information and said second information, a speed at which the stencil is conveyed.

63. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head, said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting device adjusts a rotation speed of said platen roller in accordance with said first information and said second information.

64. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head, said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting device adjusts a master making speed in accordance with said first information and said second information.

65. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting device adjusts the platen pressure in accordance with said first information and said second information.

66. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting device adjusts the front tension in accordance with said first information and said second information.

67. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting device adjusts the back tension in

accordance with said first information and said second information.

68. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head, and said adjusting device adjusts energy to be applied to said thermal head in accordance with said first information and said second information.

69. The stencil printer as claimed in claim 61, wherein said heating device comprises a thermal head, said stencil printer further comprises a temperature sensor responsive to a temperature of said thermal head,

said adjusting device adjusts energy to be applied to said thermal head in accordance with said first information, said second information and third information output from said temperature sensor.

70. The stencil printer as claimed in claim 61, wherein said stencil distinguishing device comprises:

a label provided on the stencil; and  
a sensor configured to read a content of said label.

71. The stencil printer as claimed in claim 61, wherein said stencil distinguishing device comprises:

a transmitter provided on the stencil; and  
a receiver configured to receive a content transmitted from said transmitter.

72. The stencil printer as claimed in claim 61, wherein said stencil distinguishing device comprises:

a piece provided on the stencil to be electrically or magnetically sensed; and

a sensor for electrically or magnetically sensing a content of said piece to be sensed.

73. A stencil printer for perforating a thermosensitive stencil with a heating device to thereby make a master, said stencil printer comprising:

a stencil setting device configured to allow an operator of said stencil printer to set a kind of the stencil; and

an adjusting device configured to select, among master making conditions experimentally determined beforehand, a master making condition matching with information output from said stencil setting device.

74. The stencil printer as claimed in claim 73, wherein said adjusting device adjusts, based on said information, a speed at which the stencil is conveyed.

75. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting device adjusts a rotation speed of

said platen roller in accordance with said information.

76. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil, and

said adjusting device adjusts a master making speed in accordance with said information.

77. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil,

a platen pressure for pressing the stencil against said thermal head is adjustable, and

said adjusting device adjusts the platen pressure in accordance with said information.

78. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting device adjusts the front tension in accordance with said information.

79. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting device adjusts the back tension in accordance with said information.

80. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head, and

said adjusting device adjusts energy to be applied to said thermal head in accordance with said information.

81. The stencil printer as claimed in claim 73, wherein said heating device comprises a thermal head,

said stencil printer further comprises a temperature sensor responsive to a temperature of said thermal head, and

said adjusting device adjusts energy to be applied to said thermal head in accordance with said information and information output from said temperature sensor.

82. The stencil printer as claimed in claim 73, wherein said stencil setting device comprises:

an LCD positioned on an operation panel, which is mounted on a printer body, for displaying the kind of the



stencil; and

keys arranged on said operation panel for allowing the operator to set the kind of the stencil.

83. The stencil printer as claimed in claim 73, wherein said stencil setting device comprises a host connected to said stencil printer.

84. A stencil printer for perforating a thermosensitive stencil with a heating device to thereby make a master, said stencil printer comprising:

a stencil setting device configured to allow an operator of said stencil printer to set a kind of the stencil;

an environmental condition sensor responsive to an environmental condition; and

an adjusting device configured to select, among master making conditions experimentally determined beforehand, a master making condition matching with first information output from said stencil setting device and second information output from said environmental condition sensor.

85. The stencil printer as claimed in claim 84, wherein said adjusting device adjusts, based on said first information and said second information, a speed at which the stencil is conveyed.

86. The stencil printer as claimed in claim 84,

wherein said heating device comprises a thermal head,  
said stencil printer further comprises a platen  
roller facing said thermal head for conveying the stencil,  
and

said adjusting device adjusts a rotation speed of  
said platen roller in accordance with said first  
information and said second information.

87. The stencil printer as claimed in claim 84,  
wherein said heating device comprises a thermal head,  
said stencil printer further comprises a platen  
roller facing said thermal head for conveying the stencil,  
and

said adjusting device adjusts a master making speed  
in accordance with said first information and said second  
information.

88. The stencil printer as claimed in claim 84,  
wherein said heating device comprises a thermal head,  
said stencil printer further comprises a platen  
roller facing said thermal head for conveying the stencil,  
a platen pressure for pressing the stencil against  
said thermal head is adjustable, and

said adjusting device adjusts the platen pressure  
in accordance with said first information and said second  
information.

89. The stencil printer as claimed in claim 84,

wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located downstream of said platen roller in a direction of stencil conveyance for adjusting a front tension of said stencil, and

said adjusting device adjusts the front tension in accordance with said first information and said second information.

90. The stencil printer as claimed in claim 84, wherein said heating device comprises a thermal head,

said stencil printer further comprises a platen roller facing said thermal head for conveying the stencil and a feed roller pair located upstream of said platen roller in a direction of stencil conveyance for adjusting a back tension of said stencil, and

said adjusting device adjusts the back tension in accordance with said first information and said second information.

91. The stencil printer as claimed in claim 84, wherein said heating device comprises a thermal head, and

said adjusting device adjusts energy to be applied to said thermal head in accordance with said first information and said second information.

92. The stencil printer as claimed in claim 84,

wherein said heating device comprises a thermal head,  
said stencil printer further comprises a  
temperature sensor responsive to a temperature of said  
thermal head, and

said adjusting device adjusts energy to be applied  
to said thermal head in accordance with said first  
information, said second information and third  
information output from said temperature sensor.

93. The stencil printer as claimed in claim 84,  
wherein said stencil setting device comprises:

an LCD positioned on an operation panel, which is  
mounted on a printer body, for displaying the kind of the  
stencil; and

keys arranged on said operation panel for allowing  
the operator to set the kind of the stencil.

94. The stencil printer as claimed in claim 84,  
wherein said stencil setting device comprises a host  
connected to said stencil printer.

95. A stencil printer for perforating a  
thermosensitive stencil with a heating device to thereby  
make a master, said stencil printer comprising:

at least one of a stencil distinguishing device  
configured to distinguish a kind of the stencil and a  
stencil setting device configured to allow an operator of  
said stencil printer to set the kind of said stencil; and

an adjusting device configured to select, among master making conditions experimentally determined beforehand, a master making condition matching with at least one of first information output from said stencil distinguishing device and second information output from said stencil setting device.

96. A stencil printer for perforating a thermosensitive stencil with a heating device to thereby make a master, said stencil printer comprising:

at least one of a stencil distinguishing device configured to distinguish a kind of the stencil and a stencil setting device configured to allow an operator of said stencil printer to set the kind of said stencil;

an environmental condition sensor responsive to an environmental condition; and

an adjusting device configured to select, among master making conditions experimentally determined beforehand, a master making condition matching with at least one of information output from said stencil distinguishing device, information output from said stencil setting device and information output from the environmental condition sensor.